

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Canceled).

Claim 3 (Currently Amended): ~~The multi-band cable antenna according to claim 1 or 2,~~ A multi-band cable antenna comprising:

a dielectric substrate, as a nonconductive dielectric having a predetermined dielectric constant, with a plurality of conductive microstrips formed on top and bottom sides of the dielectric substrate, for inducing a resonance in the multi-band; and

signal transfer means including first and second conductors for signal transfer, which are electrically separated from each other by a layer of insulator, the first conductor for signal transfer configured to be short-circuited with one of microstrips formed on the top side of the dielectric substrate,

wherein the dielectric substrate further includes an upper and lower short-circuited conductor for short-circuiting the second conductor for signal transfer on the signal transfer means with one of the microstrips formed on the bottom side of the dielectric substrate, and wherein the upper and lower short-circuit conductor and the microstrips formed on the bottom side circuit-shortcd with the second conductor of signal transfer are electrically grounded.

Claim 4 (Original): The multi-band cable antenna according to claim 3, wherein the upper and lower short-circuit conductor comprises a via hole passing through the dielectric substrate in a width direction, with a conductor coated on an inner wall of the via hole.

Claim 5 (Original): The multi-band cable antenna according to claim 3, wherein the upper and lower short-circuited conductor comprises a microstrip attached to a side portion of an edge of the dielectric substrate by a length of a width of the dielectric substrate in a width direction of the dielectric substrate.

Claim 6 (New): The multi-band cable antenna according to claim 3, further comprising a conductive solder ball for physically coupling one of the conductors for signal transfer with the microstrips formed on the top side of the dielectric substrate.